

# **SYSTEM AND METHOD TO SECURELY CONFIRM PERFORMANCE OF TASK BY A PEER IN A PEER-TO- PEER NETWORK ENVIRONMENT**

## **ABSTRACT OF THE DISCLOSURE**

5           A system and method for securely confirming performance of a task by a peer in a  
peer-to-peer network environment using signed receipts are disclosed. The method  
generally comprises broadcasting a request over the network by a requesting peer for a  
task with respect to a remote non-local backend server, receiving a response containing a  
local alias URL pointing to a destination on a responding server node, forwarding the  
10 task to the local alias URL for performance by the responding server node, and verifying  
a digital signature of any receipt packet received from the responding server node to  
ensure that the receipt packet is from the remote non-local backend server. The method  
may also include placing the server node in a black list of the requesting peer if the  
verifying is unsuccessful.